

Yorkshire Dales National Park

Forecast valid from 06:00 on Wednesday 18 Jan 2023 until 23:59 on Thursday 19 Jan 2023

Forecast Issued on Wednesday 18 Jan 2023 at 03:08

Confidence: High for the cold conditions continuing through the next few days then a transition to milder weather through the weekend. The details and timing of the transition will be the main forecasting challenge.

Headline for Wednesday 18 Jan 2023: Dry, bright and cold. Windy on the tops with a severe wind chill.

Mountain weather hazards on Wednesday 18 Jan 2023

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

No Likelihood

Gales

No Likelihood

Severe chill effect

High Likelihood

Poor visibility

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Partly cloudy (night)	Sunny	Sunny	Sunny intervals	Clear night	Clear night
Precipitation probability					
10%	<05%	<05%	<05%	<05%	<05%

Forecast for Wednesday 18 Jan 2023

Weather: A dry day with frequent sunny spells, then a clear evening with a widespread frost. Feeling bitterly cold with strong winds giving a severe wind chill on the tops.

Chance of cloud-free hill tops above 600m: 90%.

Low Cloud and visibility: Excellent visibility during the day. A few patches low cloud above 400m possible early morning.

Forecast for Wednesday 18 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/25 NW	15/23 NW	14/20 NW	14/21 NW	14/23 NW	13/22 NW	12/20 W
300	10/23 NW	6/19 NW	9/18 NW	9/20 NW	8/19 NW	8/20 NW	7/17 NW
Valley	2/13 W	7/21 NW	5/12 NW	8/19 NW	6/18 NW	5/14 NW	3/9 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-9	-3/-10	-2/-8	-2/-8	-2/-9	-4/-10	-4/-10
300	-1/-6	-2/-5	1/-3	1/-3	-1/-5	-2/-6	-3/-7
Valley	-1/-3	-0/-4	2/-0	3/-0	-0/-3	-2/-4	-2/-5
Freezing Level*	100m	00m	200m	300m	100m	00m	00m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Feeling bitterly cold especially in exposure to the brisk northwesterly winds on higher slopes. Winds could potentially be up to 10mph on the summits than indicated above.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Wed 18 Jan 2023	0.2mm	0.6mm	7.8mm

Forecast for Thursday 19 Jan 2023

Weather: Clear spells and widespread frost overnight. Mostly cloudy with a few snow showers in the morning then a largely dry and bright afternoon. A clear evening with another widespread frost.

Maximum wind: West or Northwest 10 to 15mph, gusts 25mph.

Chance of cloud-free hill tops above 600m: 40% in morning becoming 80% in afternoon.

Low Cloud and visibility: Mainly very good visibility. A few patches of low cloud in the morning, mostly over western hills in any showers.

Temperature: **Valleys:** Minus 2C rising to 3C.
At 600m: Minus 5C rising to Minus 2C during daytime.
Freezing level: Valley level, rising to 300m for a time during daytime.